

## 1 Introduction

This document explains how to install the AudioScience Hono AVB VSC (Virtual Sound Card). These instructions assume a basic working knowledge of AVB network audio. More information on AVB is available from the AVnu Alliance website: <http://www.avnu.org/>

## 2 License Information

The Hono AVB VSC requires a software key for installation and operation. Please be sure to obtain a key from our sales team (sales@audioscience.com) before proceeding with the installation.

## 3 Requirements

- Intel I210-T1 NIC card, Intel p/n E0X95AA
- VSC License Key obtained from AudioScience (can only be used once!)
- .NET 4.5.1 Client Installed
- Any previous AudioScience driver un-installed
- Internet access (direct or through a proxy server)
- A static system computer name, it cannot be changed after the VSC is activated
- Windows 10 operating system
- RTX64 real time operating system (installed with VSC package)

## 4 Software environment

The Hono AVB VSC operates in conjunction with the Interval Zero RTX64 operating system, this allows the VSC to obtain the performance needed for high channel count, low latency AVB streaming and it is required. Do not remove or modify RTX64 after installation or this may prohibit the VSC from running properly.

The AudioScience AVB Hono installer will add a number of applications to your system.

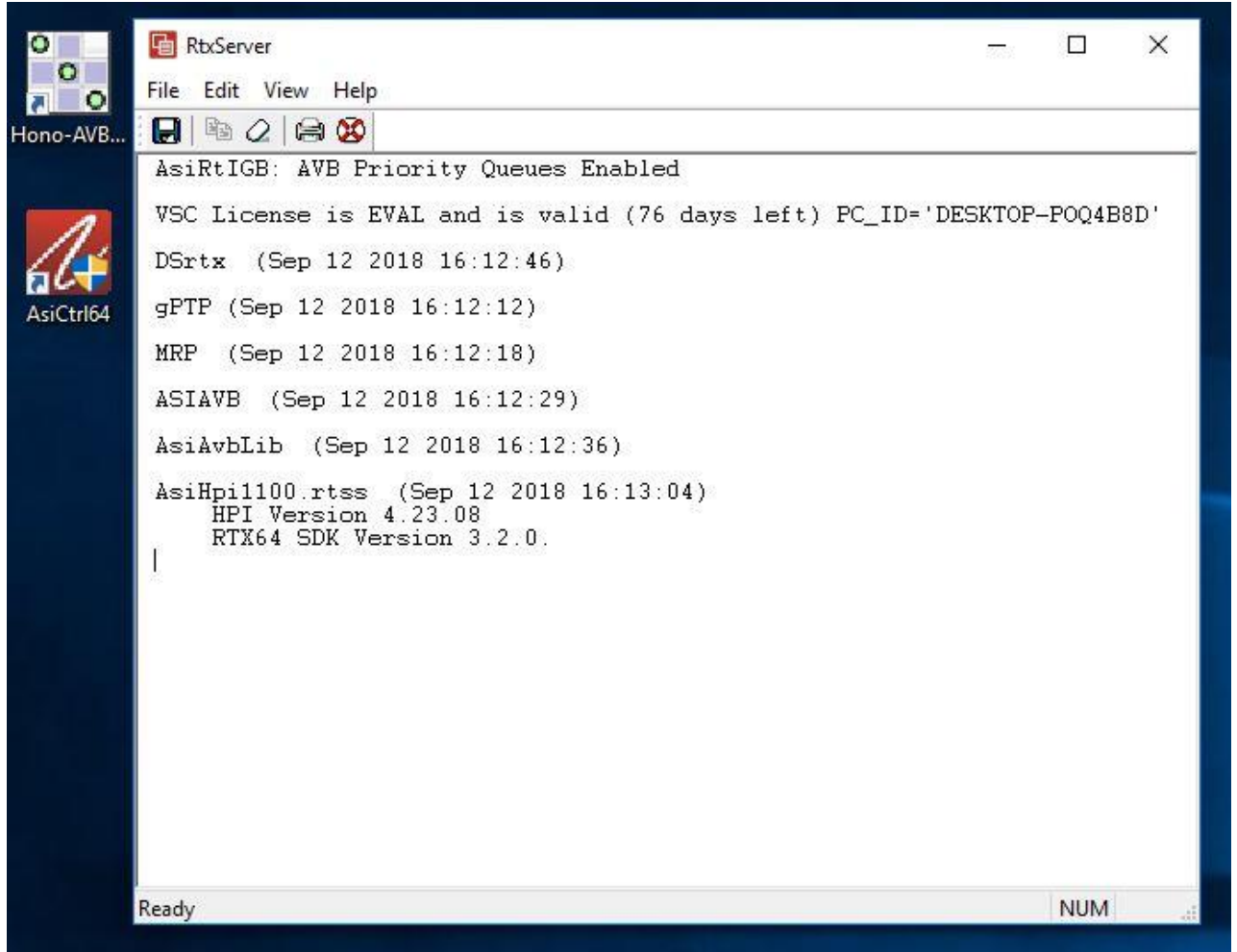
- Hono AVB VSC software.
- ASIControl – Our propriety software used for audio routing and testing.
- Hono AVB Controller – Software for routing AVB traffic between all AVB compatible equipment.
- RTX Runtime software – The Interval Zero suite for controlling the real time operating system.
- WinPcap – Allows capture of network traffic needed for AVB connection.

## 5 Installation

1. Download the installer from our website or obtain the latest version from our sales team
2. Double-click the install file to run it and follow the directions presented
3. If you do not already have WinPcap installed, you will see a “Welcome to the WinPcap Setup Wizard” pop up. Click Next -> I agree -> Install -> Finish (leave all defaults). If you already have WinPcap installed on your system you will see a “already installed” pop up and you can click cancel to skip re-installing it.
4. Next step installs the VSC and WDM driver, click “Install VSC” to continue. The system will reboot when this section is finished.
5. Upon reboot you will be presented with a pop up warning RTX64 warning about not booting in the RTX boot configuration. This is normal at this stage.
6. You will also see a “AudioScience Virtual Sound Card Activation” pop up. This is where you will enter your license key (we recommend cutting and pasting). Once the key is entered and the format is shown to be valid, click finish to contact our activation server and validate your key. You should see an “Activation succeeded” prompt if all goes well. Click close and restart your system. (If your network connection requires the use of a proxy server for internet access, click “Configure proxy

server settings” and enter your proxy information before clicking Finish or contact technical support for more information.)

7. When your system reboots, you should be presented with a new boot option titled “Windows 10 - RTX64”. This should be the default option and you **MUST** boot into this configuration to use the VSC.
8. Once booted into the RTX64 boot option you should see these 3 things on your desktop.



```
AsiRtIGB: AVB Priority Queues Enabled
VSC License is EVAL and is valid (76 days left) PC_ID='DESKTOP-POQ4B8D'
DSrtx (Sep 12 2018 16:12:46)
gPTP (Sep 12 2018 16:12:12)
MRP (Sep 12 2018 16:12:18)
ASIAVB (Sep 12 2018 16:12:29)
AsiAvbLib (Sep 12 2018 16:12:36)
AsiHpi1100.rtss (Sep 12 2018 16:13:04)
  HPI Version 4.23.08
  RTX64 SDK Version 3.2.0.
```

If you see this window with “RTX SDK...” as the last line then your install is complete and the VSC is running!

## 6 Tech Support

If at any point you need help with these instructions please contact our Technical Support department at 585-271-8870 between the hours of 9AM and 5PM EST